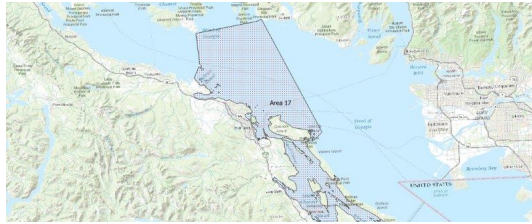


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 17 April 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 3rd February, 2022



Fisheries and Oceans
Canada

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Canada



Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

Date	Day Type	Brechin		Cowichan Bay AM	Crofton Ramp		Ladysmith		McDonald Beach PM	Schooner PM
		AM	PM		AM	PM	AM	PM		
29 Mar 2021	Midweek									
30 Mar 2021	Midweek									
31 Mar 2021	Midweek									
01 Apr 2021	Midweek					8				
02 Apr 2021	Weekend						15			
03 Apr 2021	Weekend							8		
04 Apr 2021	Weekend									
05 Apr 2021	Midweek									
06 Apr 2021	Midweek									
07 Apr 2021	Midweek									
08 Apr 2021	Midweek				1					
09 Apr 2021	Midweek									
10 Apr 2021	Weekend									
11 Apr 2021	Weekend	2								
12 Apr 2021	Midweek									
13 Apr 2021	Midweek						2			
14 Apr 2021	Midweek	1								
15 Apr 2021	Midweek									
16 Apr 2021	Midweek									
17 Apr 2021	Weekend									
18 Apr 2021	Weekend			1						
19 Apr 2021	Midweek		4							
20 Apr 2021	Midweek									
21 Apr 2021	Midweek							11		
22 Apr 2021	Midweek									
23 Apr 2021	Midweek									
24 Apr 2021	Weekend									
25 Apr 2021	Weekend		8							
26 Apr 2021	Midweek									
27 Apr 2021	Midweek				3					
28 Apr 2021	Midweek					7				
29 Apr 2021	Midweek									5
30 Apr 2021	Midweek									
01 May 2021	Weekend							16	4	
02 May 2021	Weekend									
03 May 2021	Midweek		1							

Table 2: Daily tally of interviews, catch and effort.

Date	Day	Average Fishing Conditions	Interviews & Log Trips	Chinook	Coho	Sockeye	Halibut	Observed Fishing	Flight Time	Expanded Fishing
29-Mar-2021	Monday		0							
30-Mar-2021	Tuesday		1							
31-Mar-2021	Wednesday		1							
01-Apr-2021	Thursday	calm/rippled	8							
02-Apr-2021	Friday (Good Friday)	calm/rippled	15					47	1204	105
03-Apr-2021	Saturday	choppy	8							
04-Apr-2021	Sunday		0							
05-Apr-2021	Monday		0							
06-Apr-2021	Tuesday		0					5	1159	6
07-Apr-2021	Wednesday		0							
08-Apr-2021	Thursday	calm/rippled	1							
09-Apr-2021	Friday		0							
10-Apr-2021	Saturday		0					3	1156	10
11-Apr-2021	Sunday	frequent whitecaps	2							
12-Apr-2021	Monday		0							
13-Apr-2021	Tuesday	choppy	2							
14-Apr-2021	Wednesday	choppy	1							
15-Apr-2021	Thursday		0							
16-Apr-2021	Friday		0							
17-Apr-2021	Saturday		1					28	1213	57
18-Apr-2021	Sunday	calm/rippled	2							
19-Apr-2021	Monday	choppy	4					6	1151	6
20-Apr-2021	Tuesday		0							
21-Apr-2021	Wednesday	choppy	11							
22-Apr-2021	Thursday		0							
23-Apr-2021	Friday		0							
24-Apr-2021	Saturday		0							
25-Apr-2021	Sunday	calm/rippled	9							
26-Apr-2021	Monday		0					12	1157	14
27-Apr-2021	Tuesday	calm/rippled	3							
28-Apr-2021	Wednesday	calm/rippled	7							
29-Apr-2021	Thursday	choppy	5							
30-Apr-2021	Friday		0							
01-May-2021	Saturday	choppy	21					30	1213	71
02-May-2021	Sunday		4							
03-May-2021	Monday	choppy	1							
	Totals	choppy	42					8*		9*
	Totals	choppy	37					26*		57*

* Average number of boats Observed and Expanded

Table 3: Simple area based cpue (catch per boat trip) expansion.

Day Type	Average Expanded Boats	Number of Days	Total Estimated Effort	CPUE				Retained			
				Chinook	Coho	Sockeye	Halibut	Chinook	Coho	Sockeye	Halibut
Weekend	57	9	513								
Midweek	9	21	189								

Table 4: Recent years estimates of retained catch and effort.

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2021	April	901	0			0

Table 5: Sport Head Recovery Review.

Species	Creel Marked Catch	Creel Mark Rate	Creel Submission Rate	iRec Marked Catch	iRec Mark Rate	iRec Submission Rate	Sport Head Recoveries
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Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	79	0%
iRec Anglers	651	6%

Figure 1: Proportion of each day's fishing by hour.

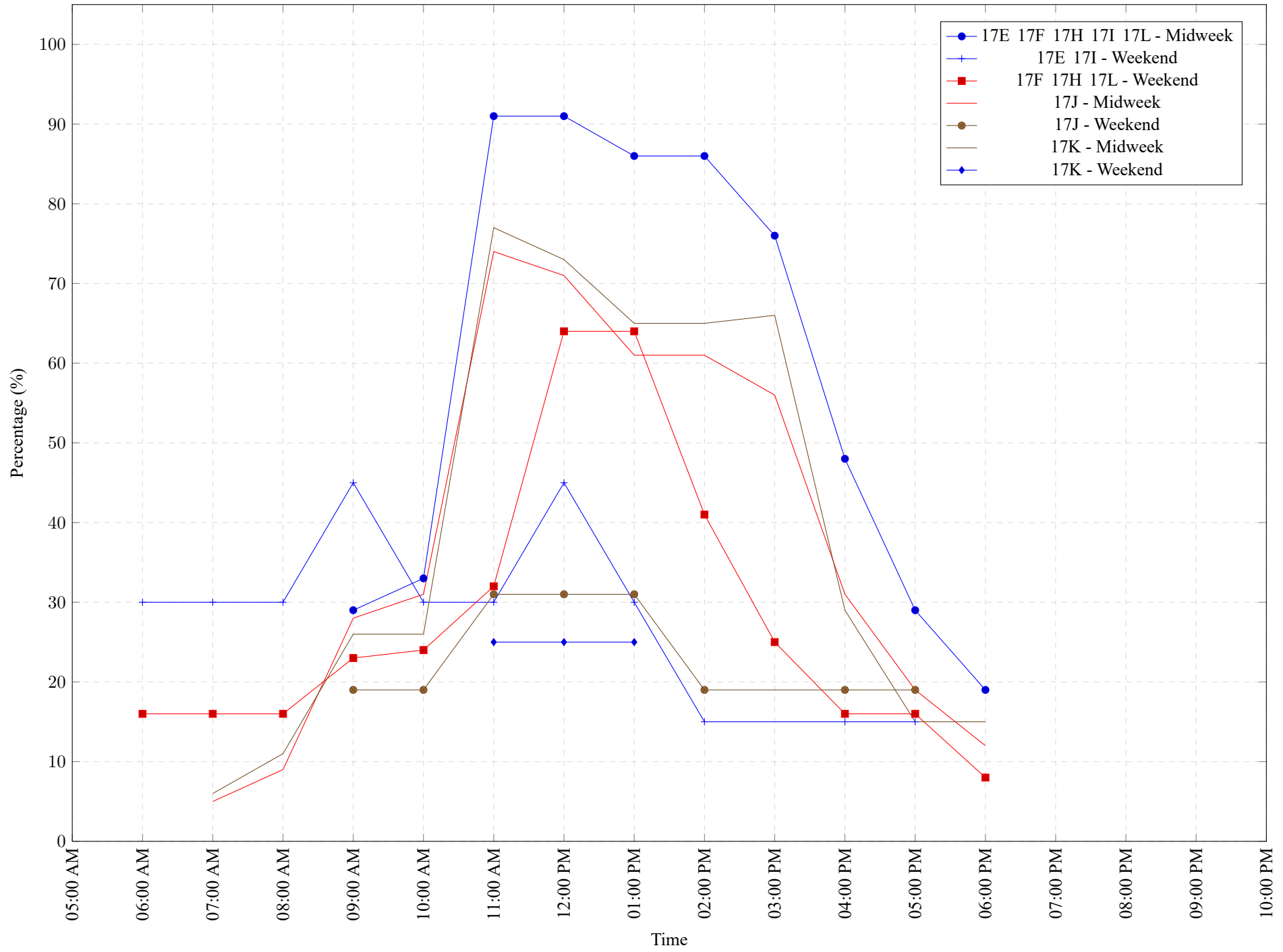


Table 7: Proportion of each day's fishing by hour.

Areas					Day Type	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	01:00 PM	02:00 PM	03:00 PM	04:00 PM	05:00 PM	06:00 PM	07:00 PM	08:00 PM	09:00 PM	10:00 PM
17E 17F 17H 17I 17L					Midweek	0%	0%	0%	29%	33%	91%	91%	86%	86%	76%	48%	29%	19%	0%	0%	0%	0%
17E 17I					Weekend	30%	30%	30%	45%	30%	30%	45%	30%	15%	0%	15%	15%	0%	0%	0%	0%	0%
17F 17H 17L					Weekend	16%	16%	16%	23%	24%	32%	64%	64%	41%	25%	16%	16%	8%	0%	0%	0%	0%
17J					Midweek	0%	5%	9%	28%	31%	74%	71%	61%	61%	56%	31%	19%	12%	0%	0%	0%	0%
17J					Weekend	0%	0%	0%	19%	19%	31%	31%	31%	19%	0%	19%	19%	0%	0%	0%	0%	0%
17K					Midweek	0%	6%	11%	26%	26%	77%	73%	65%	65%	66%	29%	15%	15%	0%	0%	0%	0%
17K					Weekend	0%	0%	0%	0%	0%	25%	25%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Brechin	Cowichan Bay	Crofton Ramp	Ladysmith	McDonald Beach	Schooner
29 Mar 2021	Midweek						
30 Mar 2021	Midweek						
31 Mar 2021	Midweek						
01 Apr 2021	Midweek			calm/rippled			
02 Apr 2021	Weekend				calm/rippled		
03 Apr 2021	Weekend				choppy		
04 Apr 2021	Weekend						
05 Apr 2021	Midweek						
06 Apr 2021	Midweek						
07 Apr 2021	Midweek						
08 Apr 2021	Midweek			calm/rippled			
09 Apr 2021	Midweek						
10 Apr 2021	Weekend						
11 Apr 2021	Weekend	frequent whitecaps					
12 Apr 2021	Midweek						
13 Apr 2021	Midweek				choppy		
14 Apr 2021	Midweek	choppy					
15 Apr 2021	Midweek						
16 Apr 2021	Midweek						
17 Apr 2021	Weekend						
18 Apr 2021	Weekend		calm/rippled				
19 Apr 2021	Midweek	choppy					
20 Apr 2021	Midweek						
21 Apr 2021	Midweek				choppy		
22 Apr 2021	Midweek						
23 Apr 2021	Midweek						
24 Apr 2021	Weekend						
25 Apr 2021	Weekend	calm/rippled					
26 Apr 2021	Midweek						
27 Apr 2021	Midweek			calm/rippled			
28 Apr 2021	Midweek			calm/rippled			
29 Apr 2021	Midweek						choppy
30 Apr 2021	Midweek						
01 May 2021	Weekend				choppy	choppy	
02 May 2021	Weekend						
03 May 2021	Midweek	choppy					